

## AUTHOR INDEX

### Volume 5

- ADOLFSSON, L., *see* NORDENFELT, I.
- ANAND, P., POLAK, J. M. & BLOOM, S. R. Aspects of neurohormonal peptides 111
- ANNUZZI, G., VACCARO, O., CAPRIO, S., DI BONITO, P., CASIO, P.,  
RICCARDI, G. & RIVELLESE, A. Association between low habitual physical  
activity and impaired glucose tolerance 63
- ARNABOLDI, L., *see* MERKEL, C.
- ASK, P., *see* WRANNE, B.
- ÅSTRÖM, H., *see* FRISK-HOLMBERG, M.
- BAGGER, J. P., TOFTEGARD NIELSEN, T. & THOMASSEN, A. Reproducibility of  
coronary haemodynamics and cardiac metabolism during pacing-induced  
angina pectoris 359
- BAXTER, J. N. *see* JENKINS, S. A.
- BERGLUND, B., *see* KAUZER, L.
- BERGMAN, T., *see* LENNMARKEN, C.
- BERGSTRÖM, J., FÜRST, F. & HULTMAN, E. Free amino acids in muscle tissue  
and plasma during exercise in man 155
- BIE, P., *see* SECHER, N. H.
- BJÖRKMAN, O., *see* ERIKSSON, L. S.
- BLOOM, S. R., *see* ANAND, P.
- BROBERG, S., *see* ERIKSSON, L. S.
- BROCHNER-MORTENSEN, J. Current status on assessment and measurement of  
glomerular filtration rate 1
- CADY, E. B., *see* EDWARDS, R. H. T.
- CAPRIO, S., *see* ANNUZZI, G.
- CASO, P., *see* ANNUZZI, G.
- CHRISTENSEN, N. J., *see* HILSTED, J.
- COLLINS, P. J., *see* MADDERN, G. J.
- CORBIN, D. O. C., WOOD, D. A. & HOUSLEY, E. An evaluation of finger  
systolic pressure response to local cooling in the diagnosis of primary  
Raynaud's phenomenon 383
- CROWE, M., *see* YOUNG, A.
- DAHLQVIST, M. & HEDENSTIERNA, G. Lung volumes measured by helium  
dilution and by body plethysmography with mouth and oesophageal  
pressures: a comparative study in patients with lung disease 179

- DESOUZA, M., *see* MARSHALL, A. W.
- DEYOUNG, N. J., *see* DUNCAN, H. J.
- DI BONITO, P., *see* ANNUZZI, G.
- DUNCAN, H. J., FARIS, I. B. & DEYOUNG, N. J. The effectiveness of local injections of vasodilating agents to produce vasodilation in subcutaneous tissue in rabbits 71
- EDWARDS, R. H. T., GRIFFITHS, R. D. & CADY, E. B. Topical magnetic resonance for the study of muscle metabolism in human myopathy 93
- EKMAN, L., *see* LINDMARK, L.
- EKROTH, R., *see* REIKERÅS, O.
- ENGELHART, M., NIELSEN, H. V. & KRISTENSEN J. K. The blood supply to fingers during Raynaud's attacks: a comparison of laser-Doppler flowmetry with other techniques 447
- ERIKSSON, L. S., BROBERG, S., BJÖRKMAN, O. & WAHREN, J. Ammonia metabolism during exercise in man 325
- FAGRELL, B., *see* ÖSTERGREN, J.
- FARIS, I. B., *see* DUNCAN, H. J.
- FREYSCHUSS, U., *see* HEDLIN, G.
- FRISK-HOLMBERG, M., JUHLIN-DANNFELT, A. & ÅSTRÖM, H. Haemodynamic and metabolic responses to prolonged exercise after chronic  $\beta_1$ -adreno-receptor blockade in hypertensive man 231
- FÜRST, F., *see* BERGSTRÖM, J.
- GATTA, A., *see* MERKEL, C.
- GRIFFITHS, R. D., *see* Edwards, R. H. T.
- GUNNES, P., *see* REIKERÅS, O.
- HÅKANSON, E., *see* RUTBERG, H.
- HAMBERGER, B., *see* SACHS, C.
- HEDENSTIERNA, G., *see* DAHLQVIST, M.
- HEDENSTIERNA, G., *see* HEDLIN, G.
- HEDLIN, G., FREYSCHUSS, U. & HEDENSTIERNA, G. Histamine-induced asthma in children: effects on the ventilation-perfusion relationship 19
- HENDRIKSEN, J. H., JASTRUP, J. & SCHAFFALITZKY DE MUCKADELL, O. B. Arterial blood pressure change and endogenous circulation substance P in man 377
- HILDEBRANDT, P., MEHISEN, J., SESTOFT, L. & LEVIN NIELSEN, S. Mild mental stress in diabetes: changes in heart rate and subcutaneous blood-flow 371
- HILSTED, J., CHRISTENSEN, N. J. & LARSEN, S. Plasma clearance of noradrenaline does not change with age in normal subjects 443

- HJEMDAHL, P., *see* NISELL, H.
- HÖGLUND, C. The influence of transducer position on the M-mode echocardiograph measurement of the left arterial dimension 393
- HOUSLEY, E., *see* CORBIN, D. O. C.
- HUDLICKÁ, O. Regulation of muscle blood flow 201
- HULTMAN, E., *see* BERGSTRÖM, J.
- JAKOBSSON, A., OHLIN, P. & PAHLM, O. Does a computer-based ECG-recorder interpret electrocardiograms better than physicians? 417
- JAMIESON, G. G., *see* MADDERN, G. J.
- JAstrup, J. *see* HENDRIKSEN, J. H.
- JEFFERSON, N. R., *see* NYE, E. R.
- JENKINS, S. A., TAYLOR, A., SHIMIRTY, S. K., JOHNSON, J., BAXTER, J. N., TAYLOR, I. & SHEILDS, R. The clearance of Xenon-133 following its parenchymal injection: a rapid method for estimating functional liver blood-flow 433
- JOGESTRAND, T. & OLSSON, A. G. The effect of intravenous prostaglandin E<sub>1</sub> on ischaemic pain and on leg blood-flow in subjects with peripheral artery disease: a double-blind controlled study 495
- JOHANSSON, I., *see* ZBORNIKOVA, V.
- JOHNSON, J., *see* JENKINS, S. A.
- JORDE, R., *see* REIKERÅS, O.
- JORFELDT, L., *see* RUTBERG, H.
- JUHLIN-DANNFELT, A., *see* FRISK-HOLMBERG, M.
- KAUSER, L. & BERGLUND, B. Effect of nicotine on coronary blood-flow in man 541
- KAUSER, L. & SACHS, C. Autonomic cardiovascular responses in old age 347
- KARONEN, S.-L., *see* YKI-JÄRVINEN, H.
- KINGMA, I., *see* SMISETH, O. A.
- KLUNDHOLM, K., *see* LINDMARK, L.
- KOIVISTO, V. A., *see* YKI-JÄRVINEN, H.
- KRISTENSEN, J. K., *see* ENGELHART, M.
- LARSEN, S., *see* HILSTED, J.
- LARSSON, J., *see* LENNMARKEN, C.
- LARSSON, L.-E., *see* LENNMARKEN, C.
- LASSVIK, C., *see* ZBORNIKOVA, V.
- LENNMARKEN, C., BERGMAN, T., LARSSON, J. & LARSSON, L.-E. Skeletal muscle function in man: force, relaxation rate, endurance and contraction time-dependence on sex and age 243
- LEVIN NIELSEN, S., *see* HILDEBRANDT, P.
- LEWIS, D. H., *see* PERBECK, L.

- LINDE, B., *see* NISELL, H.
- LINDMARK, L., EKMAN, L. & KLUNDHOLM, K. A simplified technique for measurements of energy expenditure and substrate oxidation in man 337
- LOYD, D., *see* WRANNE, B.
- LUND, F., *see* PERBECK, L.
- MADDERN, G. J., SLAVOTINEK, J. P., COLLINS, P. J. & JAMIESON G. G. The effect of posture and pH on solid and liquid oesophageal emptying 425
- MARSHALL, A. W., DESOUSA, M. & MORGAN, M. Y. Plasma 3-methylbutanal in man and its relationship to hepatic encephalopathy 53
- MEHISEN, J., *see* HILDEBRANDT, P.
- MERKEL, C., GATTA, A., ARNABOLDI, L. & ZUIN, R. Splenic haemodynamics and portal hypertension in patients with liver cirrhosis and spleen enlargement 531
- MIZUNO, M., SECHER, N. H. & SALTIN, B. Fibre types, capillary supply and enzyme activities in human intercostal muscles 121
- MJØS, O. D., *see* REIKERÅS, O.
- MJØS, O. D., *see* WEXELS, J. C.
- MORGAN, M. Y., *see* MARSHALL, A. W.
- MYHRE, E. S. P. & PIENE, H. External work and arterial load in canine left ventricular ischaemic failure: evidence of ventricle-load mismatch 189
- MYHRE, E. S. P., *see* WEXELS, J. C.
- NIELSEN, H. V., *see* ENGELHART, M.
- NILSSON, J. E., *see* NORDENFELT, I.
- NISELL, H., HJEMDAHL, P. & LINDE, B. Cardiovascular responses to circulating catecholamines in normal pregnancy and in pregnancy-induced hypertension 479
- NORDENFELT, I., ADOLFSSON, L., NILSSON, J. E. & OLSSON, S. Reference values for exercise tests with continuous increase in load 161
- NYBERG, B., *see* PERBECK, L.
- NYE, E. R., SUTHERLAND, W. H. F., JEFFERSON, N. R. & ROBERTSON, M. C. Serum lipoprotein lipids and haematological variables in veteran runners, before and after a 2100 km relay run
- OHLIN, P., *see* JAKOBSSON, A.
- OLSSON, A. G., *see* JOGESTRAND, T.
- OLSSON, S., *see* NORDENFELT, I.
- ÖSTERGREN, J. & FAGRELL, B. Skin capillary blood cell velocity in patients with arterial obliterative disease and polycythaemia: a disturbed reactive hyperaemia response 35

- PAHLM, O., *see* JAKOBSSON, A.
- PERBECK, L., LEWIS, D. H., THULIN, L. & TYDÉN, G. Correlation between fluorescein flowmetry, <sup>133</sup>Xenon clearance and electromagnetic flow measurement: a study in the intestine of the pig 293
- PERBECK, L., LUND, F., SVENSSON, L. & THULIN, L. Fluorescein flowmetry: a method for measuring relative capillary blood flow in the intestine 281
- PERBECK, L., NYBERG, B., THULIN, L. & TYDÉN, G. Transport of sodium fluorescein between the mucosal and muscular layers in man, possibly indicating functional serially-coupled exchange vessels 567
- PIENE, H., *see* MYHRE, E. S. P.
- POLAK, J. M., *see* ANAND, P.
- PÖYHÖNEN, L. Supine and sitting maximal workload difference and response to long-term enalapril therapy in congestive heart failure 173
- REFSUM, H., *see* SMISETH, O. A.
- RICCARDI, G., *see* ANNUZZI, G.
- REIKERÅS, O., GUNNES, P., SØRLIE, D., EKROTH, R., JORDE, R. & MJØS, O. D. Haemodynamic effects of low and high doses of insulin during beta-receptor blockade in dogs 455
- REIKERÅS, O., GUNNES, P., SØRLIE, D., EKROTH, R. & MJØS, O. D. Metabolic effects of low and high doses of insulin during beta-receptor blockade in dogs 469
- RIVELLESE, A., *see* ANNUZZI, G.
- ROBERTSON, M. C., *see* NYE, E. R.
- RUBIN, S. A., *see* SHELLOCK, F. G.
- RUTBERG, H., HÅKANSON, E. & JORFELDT, L. Factors of importance in the hyperglycaemia induced by upper abdominal surgery 515
- SACHS, C., HAMBERGER, B. & KAUSER, L. Cardiovascular responses and plasma catecholamines in old age 553
- SACHS, C. *see* KAUSER, L.
- SALTIN, B., *see* MIZUNO, M.
- SCHIMIRTY, S. K., *see* JENKINS, S. A.
- SECHER, N. H. & BIE, P. Bradycardia during reversible haemorrhagic shock—a forgotten observation 315
- SECHER, N. H., *see* MIZUNO, M.
- SESTOFT, L., *see* HILDEBRANDT, P.
- SCHAFFALITZKY DE MUCKADELL, O. B., *see* HENDRIKSEN, J. H.
- SHAKESPEARE, D. T., STOKES, M., SHERMAN, K. P. & YOUNG, A. Reflex inhibition of the quadriceps after meniscectomy: lack of association with pain 137

- SHEILDS, R., *see* JENKINS, S. A.
- SHELLOCK, F. G. & RUBIN, S. A. Mixed venous blood-temperature response to exercise in heart failure patients treated with short-term vasodilators 503
- SHERMAN, K. P., *see* SHAKESPEARE, D. T.
- SLAVOTINEK, J. P., *see* MADDERN, G. J.
- SMISETH, O. A., KINGMA, I., REFSUM, H., SMITH, E. R. & TYBERG, J. V. The pericardial hypothesis: a mechanism of acute shifts of the left ventricular diastolic pressure-volume relation 403
- SMITH, E. R., *see* SMISETH, O. A.
- SØRLIE, D., *see* REIKERÅS, O.
- STOKES, M., *see* SHAKESPEARE, D. T.
- STOKES, M., *see* YOUNG, A.
- SUTHERLAND, W. H. F., *see* NYE, E. R.
- SVENSSON, L., *see* PERBECK, L.
- TAYLOR, A., *see* JENKINS, S. A.
- TAYLOR, I., *see* JENKINS, S. A.
- THOMASSEN, A., *see* BAGGER, J. P.
- THULIN, L., *see* PERBECK, L.
- TIDGREN, B. Effect of the contrast medium meglumine amido-trizoate on renal extraction of para-amino hippurate after injection into the renal vein 301
- TOFTEGARD NIELSEN, T., *see* BAGGER, J. P.
- TYBERG, J. V., *see* SMISETH, O. A.
- TYDÉN, G., *see* PERBECK, L.
- VACCARO, O., *see* ANNUZZI, G.
- WAHREN, J., *see* ERIKSSON, L. S.
- WENNMALM, Å. Acute myocardial infarction and the arachidonic acid system in the coronary vessels 311
- WEXELS, J. C., MYHRE, E. S. P. & MJØS, O. D. Effects of carbon dioxide and pH on myocardial blood-flow and metabolism in the dog 575
- WOOD, D. A., *see* CORBIN, D. O. C.
- WRANNE, B., ASK, P. & LOYD, D. Quantification of heart valve regurgitation: a critical analysis from a theoretical and experimental point of view 81
- YKI-JÄRVINEN, H., KOIVISTO, V. A. & KARONEN, S.-L. Influence of body composition on insulin clearance 45
- YOUNG, A., *see* SHAKESPEARE, D. T.
- YOUNG, A., STOKES, M. & CROWE, M. The size and strength of the quadriceps muscles of old and young men 145

- ZBORNIKOVA, V., LASSVIK, C. & JOHANSSON, I. Prospective evaluation of the accuracy of duplex scanning with spectral analysis in carotid artery disease 257
- ZBORNIKOVA, V., LASSVIK, C & JOHANSSON, I. Duplex scanning and periorbital pulsed Doppler in the diagnosis of external carotid artery disease. Analysis of causes of error 271
- ZUIN, R., *see* MERKEL, C.